

Result 0, Running AGWA-KINEROS in Brazil

Posted by heber2009 - 2009/12/01 20:19

Hi SHEA.

I am currently trying to run the AGWA in a region located in the northeast of Brazil (São João do Cariri – Paraíba – Brasil). I'm using the KINEROS.

The problem I'm facing refers to the null results after the simulation, I tried the solution in the forum, but until now could not solve.

The data I'm using are:

Soil: FAO South America, which despite being very general, similar parameters could be applied earlier work for the basin.

Coverage: I used a satellite image in high resolution and applied supervised classification to get the file in the input grid for the model. Following the guidelines of the manual and shall have a table with the values of CN, cover, manning ...

I am sending the data used so you can identify the error.

I've tried to adjust the data in the attribute table, before the simulation but could not succeed.

Any help or suggestions would be appreciated thank you!!

http://www.tucson.ars.ag.gov/agwa/images/fbfiles/files/Dados_de_Entrada.zip

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Re:Result 0, Running AGWA-KINEROS in Brazil

Posted by heber2009 - 2009/12/02 23:09

I'm also trying to apply these data in version Agwa 1.5 in the ArcView 3.2 and is showing the following message: "KINEROS: Intersecting the Soil theme with the watershed".

I found a topic related to the post and changed the size of the pixel. Still kept giving error.

Please help me.

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Re:Result 0, Running AGWA-KINEROS in Brazil

Posted by isburns - 2009/12/05 17:47

Can you send the geodatabase and the simulation directory? That will help me identify where the problem is.

Thanks

Shea

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Re:Result 0, Running AGWA-KINEROS in Brazil

Posted by heber2009 - 2009/12/05 21:00

Attached files related to the simulation. I tried with other values of CSA, but all have the same error.
<http://www.tucson.ars.ag.gov/agwa/images/fbfiles/files/GEODATABASE.zip>

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Re:Result 0, Running AGWA-KINEROS in Brazil

Posted by isburns - 2009/12/05 21:04

You left the attachment off. Make sure it includes both the simulation directory and the geodatabase.

Shea

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Re:Result 0, Running AGWA-KINEROS in Brazil

Posted by heber2009 - 2009/12/05 21:21

I sent a single simulation. But I ran many others. In one of the simulations, I edited the parameters of the model parameters manually before execution, so data from approaching the reality of the basin. As I said earlier, also modified the CSA, yet the results remain 0.

I'm trying to describe everything that we can identify the error.

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Re:Result 0, Running AGWA-KINEROS in Brazil

Posted by isburns - 2009/12/06 08:00

Hi,
It appears you're not running the latest version of AGWA, build 20091105. There was a bug related to writing KINEROS parameter files when FAO soils were used for parameterization.

What version of ArcGIS are you running? The update that fixes the FAO soils bug is only available for ArcGIS 9.3. In addition to downloading the updated installer, you will also need to download updated FAO soils tables, which are available along with some other updated tables in the Datafiles download.

Please let me know if this fixes your problem.

Thanks
Shea

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Re:Result 0, Running AGWA-KINEROS in Brazil

Posted by heber2009 - 2009/12/06 13:49

I am using ArcGIS 9.2, but now I will try version 9.3 and give it back.

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Re:Result 0, Running AGWA-KINEROS in Brazil

Posted by garbossa - 2009/12/10 13:29

Hello Herber2009,

I'm trying to use Kineros for a watershed here in Santa Catarina, and I had the same problem. I'm using FAO soil Maps and the Land Cover I have created. When I execute the model it returns all zero values. Att,

Garbossa

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Re:Result 0, Running AGWA-KINEROS in Brazil

Posted by heber2009 - 2010/01/07 17:17

I managed to solve the problem, and I'm using version 9.2 of ArcGIS. The problem was the configuration of my computer. In regional settings.

I thank you all for your help!

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Re:Result 0, Running AGWA-KINEROS in Brazil

Posted by isburns - 2010/02/11 06:11

Garbossa,

If the model results are all zero, then the model crashed during execution and we need to determine why. What version of ArcGIS and AGWA are you using?

Shea

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Re:Result 0, Running AGWA-KINEROS in Brazil

Posted by garbossa - 2010/03/15 08:38

Hello,

I'm using ArcMap 9.3.1 and AGWA2 ver 1.0.0 (AGWA2 Setup 9.3-20091008.zip)

I observed that it does not create the files to use as input to run the model.

I tried to use the San Pedro Sample, and I have the same problem, when I try to view the results, it's all zero. I have noticed that the problem is the same there are no files with the input information for Kinos. But, during the process I don't receive any kind of error or warning.

Att,

Luis HP Garbossa

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Re:Result 0, Running AGWA-KINEROS in Brazil

Posted by isburns - 2010/03/22 17:53

Is the problem only with KINEROS? In the San Pedro example with KINEROS, make sure you set the CSA to 304 hectares in the discretization. If you leave it at the default 2.5%, one of the stream segments fails to divide one of the subwatersheds into two lateral planes. If this is indeed the problem, if you look in the attribute table of the streams feature class, you will see a null value in the SeqNum field for one of the records.

Let me know if this helps at all.

Shea

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Re:Result 0, Running AGWA-KINEROS in Brazil

Posted by garbossa - 2010/04/15 12:27

Shea,

I made as you have suggested and it has worked very well!

Now I'll try to identify what is happening to my watershed. The error seems to be the same, so I'll start by the CSA size.

When I find it, I'll let you know.

Best Regards!

Luis HP Garbossa

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Re:Result 0, Running AGWA-KINEROS in Brazil

Posted by garbossa - 2010/05/13 05:00

Hello,

The error was occuring in the CSA size definition. I tried some diferent sizes and it has worked very well.

Best Regards!

Luis HP Garbossa

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